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☐ 1. Document ID: DE 19749760 A1, WO 9923998 A1, EP 1030642 A1

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File: DWPI

May 12, 1999

DERWENT-ACC-NO: 1999-289192

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TITLE: Dermatological stick formulation, e.g. a deodorant comprising concentric phases; the inner phase is a gel containing porous, spherical polymer particles impregnated with perfume and cosmetic ingredients.

INVENTOR: BANOWSKI, B; BORDAT, P; SCHOLZ, W; ZINKEN, M

PATENT-ASSIGNEE: HENKEL KGAA (HENK)

PRIORITY-DATA: 1997DE-1049760 (November 11, 1997)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|----------------|-----------------|----------|-------|------------|
| DE 19749760 A1 | May 12, 1999 | | 015 | A61K007/32 |
| WO 9923998 A1 | May 20, 1999 | G | 000 | A61K007/00 |
| EP 1030642 A1 | August 30, 2000 | G | 000 | A61K007/00 |

DESIGNATED-STATES: BR CA CN CZ HU NO PL SK US AT BE CH CY DE DK ES FI FR GB GR IE IT
LU MC NL PT SE AT BE CH CY DE DK ES FI FR GB GR IT LI NL PT SE

APPLICATION-DATA:

| PUB-NO | APPL-DATE | APPL-NO | DESCRIPTOR |
|---------------|-------------------|----------------|------------|
| DE 19749760A1 | November 11, 1997 | 1997DE-1049760 | |
| WO 9923998A1 | October 30, 1998 | 1998WO-EP06892 | |
| EP 1030642A1 | October 30, 1998 | 1998EP-0954469 | |
| EP 1030642A1 | October 30, 1998 | 1998WO-EP06892 | |
| EP 1030642A1 | | WO 9923998 | Based on |

INT-CL (IPC): A61 K 7/00; A61 K 7/32; A61 K 7/48

ABSTRACTED-PUB-NO: DE 19749760A

BASIC-ABSTRACT:

NOVELTY - A dermatological stick formulation comprises one or more concentric phases; the inner phase is a gel containing porous, spherical polymer particles impregnated with perfume and cosmetic ingredients.

DETAILED DESCRIPTION - A dermatological stick formulation is claimed, based on a substance which retains its shape at 40 deg. C, and melts at temperatures above this. The stick comprises two or more separate gel phases based on mono- or polyvalent alcohols, gelling agents, perfumes, cosmetic or dermatologically active substances and optionally water or galenic additives. The novelty is that one of the gel phases contains 0.1-10 wt. % (based on the phase) of a porous powder comprising spherical polymer particles. An INDEPENDENT CLAIM is also included for preparation of the stick.

USE - As deodorants and antiperspirants (claimed). The more unstable, volatile components (e.g. perfumes) are encapsulated in the inner phase, while the outer phase prevents them from decomposing or evaporating.

ADVANTAGE - Two-phase deodorant stick preparations are known (e.g. DE1122221-A), but these suffer from problems such as bleeding of components from one phase to the other. This problem has been overcome (DE2752420-A) by producing a stick with an inner phase made from a wax and an outer phase based on a soapy polystyrol gel, but this is unattractive in appearance. The formulation of this invention can be made very attractive by adjusting the transparency, colour or pigmentation of the two phases, while the polymer particles have a better feel on the skin and are less sticky. Since the particles absorb the perfume and cosmetic additives, they are released gradually; the use of a gel phase contributes to this so-called retard effect.

ABSTRACTED-PUB-NO: DE 19749760A
EQUIVALENT-ABSTRACTS:

DERWENT-CLASS: A96 B07 D21 E19

CPI-CODES: A12-V04C; B05-A03B; B10-C04E; B10-E04B; B10-E04C; B14-R01; B14-R03;
D08-B09B; E10-C04L2; E10-E04H; E10-E04M2; E35-K02;

Full Title GLS.1 SEQ.1 ATT.1

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| Term | Documents |
|---|-----------|
| ANTIPERSPIRANT.DWPI,EPAB,JPAB. | 1494 |
| ANTIPERSPIRANTS.DWPI,EPAB,JPAB. | 547 |
| (ANTIPERSPIRANT AND 3).JPAB,EPAB,DWPI. | 1 |
| (L3 AND ANTIPERSPIRANT).JPAB,EPAB,DWPI. | 1 |

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